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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 474.00)
METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account

Deposit Account Number 08-3425

Deposit Account Name Human Genome Sciences, Inc.

The Director is hereby authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 1001 | 750 | 2001 | 375 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 520 | 2003 | 260 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | Extra Claims | Fee from below | Fee Paid |
|--------------------|----|--------------|----------------|----------|
| Total Claims | 41 | -24** = 17 | x 18.00 = | 306.00 |
| Independent Claims | 6 | -4** = 2 | x 84.00 = | 168.00 |
| Multiple Dependent | | | | |

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|--|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 474.00)

** or number previously paid, if greater; For Reissues, see above

| Complete if Known | |
|----------------------|------------------------|
| Application Number | 09/818,683-Conf. #3074 |
| Filing Date | March 28, 2001 |
| First Named Inventor | Ping Feng |
| Examiner Name | L. Clow |
| Art Unit | 1631 |
| Attorney Docket No. | PZ2020P1C1 |

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-----------------------------------|----------------------------|--|----------|
| 1051 | 130 | 2051 65 Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 25 Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 130 Non-English specification | |
| 1812 | 2,520 | 1812 2,520 For filing a request for ex parte reexamination | |
| 1804 | 920* | 1804 920* Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 1,840* Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 55 Extension for reply within first month | |
| 1252 | 410 | 2252 205 Extension for reply within second month | |
| 1253 | 930 | 2253 465 Extension for reply within third month | |
| 1254 | 1,450 | 2254 725 Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 985 Extension for reply within fifth month | |
| 1401 | 320 | 2401 160 Notice of Appeal | |
| 1402 | 320 | 2402 160 Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 140 Request for oral hearing | |
| 1451 | 1,510 | 1451 1,510 Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 55 Petition to revive - unavoidable | |
| 1453 | 1,300 | 2453 650 Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 650 Utility issue fee (or reissue) | |
| 1502 | 470 | 2502 235 Design issue fee | |
| 1503 | 630 | 2503 315 Plant issue fee | |
| 1460 | 130 | 1460 130 Petitions to the Commissioner | |
| 1807 | 50 | 1807 50 Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 180 Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 40 Recording each patent assignment per property (times number of properties) | |
| 1809 | 750 | 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 750 | 2810 375 For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 750 | 2801 375 Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 900 Request for expedited examination of a design application | |
| Other fee (specify) | | | |
| *Reduced by Basic Filing Fee Paid | | | |
| SUBTOTAL (3) (\$ 0.00) | | | |

** or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY | | Complete (if applicable) | |
|-------------------|----------------------|-----------------------------------|---------------|
| Name (Print/Type) | Mark J. Hyman | Registration No. (Attorney/Agent) | 46,789 |
| Signature | <i>Mark J. Hyman</i> | Date | July 16, 2003 |

 TECH CENTER 1600/2000
 JULY 2003

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